ABCpred Prediction Server

INPUT INFORMATION

Sequence name	
Length of the sequence	232
Number of 16mers from the input sequence	217
Threshold setting (Default value is 0.5)	0.51

TABULAR RESULT

Predicted B-cell epitope

The predicted B cell epitopes are ranked according to their score obtained by trained recurrent neural network.
Higher score of the peptide means the higher probability to be as epitope.
All the peptides shown here are above the threshold value chosen.

Rank	Sequence	Start position	Score
1	GTMGTAAVTPSTTATL	184	0.91
2	KGPRSAGTMGTAAVTP	178	0.90
2	LGAGTATVVFSRDRNT	137	0.90
3	SDDERADIDRRVAAAP	22	0.89
4	RDRNTGLLVMNNVAPP	148	0.88
5	RTAILDATKPEVRRQS	71	0.86
6	TGSPQPTGTILAELPL	216	0.84
7	VVSAATTAEPPAHLRT	57	0.83
8	LLELATPYALNAVSDD	9	0.81
9	VRAVRETMAVVSAATT	48	0.79
10	GTVYQMWLLGGAKGPR	166	0.78
11	DRRVAAAPSPVAAAFN	30	0.77
12	KPEVRRQSRWRTAAFA	79	0.75
12	TVAEQVLTAPDVRTVS	119	0.75
13	VTPSTTATLTDLGAST	191	0.74
14	TALAFTVEPGTGSPQP	206	0.73
15	LGVLTRPSPPPTVAEQ	108	0.72
16	PVAAAFNDEVRAVRET	39	0.70
16	LVMNNVAPPSRGTVYQ	155	0.70
17	AVGLGAFGLGVLTRPS	100	0.66
18	VRTVSRPLGAGTATVV	130	0.63
19	TEHTDFELLELATPYA	2	0.52

OVERLAP DISPLAY

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MTEHTDFELLELATPYALNAVSDDERADIDRRVAAAPSPVAAAFNDEVRAVRETMAVVSAATTAEPPAHLRTAILDATKPEVRRQSRWRTAAFASAAAIAVGLGAFGLGVLTRPSPPPTVAEQVLTAPDVRTVSRPLGAGTATVVFSRDRN
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--------------------------------------------------------------------------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------------------------------------------------------------------------------LGAGTATVVFSRDRN
--------------------SDDERADIDRRVAAAP--------------------------------------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------------------------------------------------------------------------------RDRN
-------------------------------------------------------------------RTAILDATKPEVRRQS-------------------------------------------------------------------------
--------------------------------------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------VVSAATTAEPPAHLRT-------------------------------------------------------------------------------------
--------LLELATPYALNAVSDD-------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------VRAVRETMAVVSAATT-------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------DRRVAAAPSPVAAAFN------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------KPEVRRQSRWRTAAFA-----------------------------------------------------------------------
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------------------------------------------------------------------------------------------------------------------------------------TVAEQVLTAPDVRTVS-----------------
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------------------------------------------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------LGVLTRPSPPPTVAEQ---------------------------
-------------------------------------PVAAAFNDEVRAVRET-------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------------AVGLGAFGLGVLTRPS-----------------------------------
------------------------------------------------------------------------------------------------------------------------------------------------------VRTVSRPLGAGTATVV------
-TEHTDFELLELATPYA-----------------------------------------------------------------------------------------------------------------------------------------------------------
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